THE DIADOCHOKINESIS TASK (DDK)

A. Instrumentation; Materials

1. Recording device and matching external microphone
2. Stop-watch
3. This scoring form or a list of the test items

B. Procedure; Instructions

1. Position microphone using standard procedure for either a stand-held
   or head-mounted microphone.
2. Use standard procedure to adjust audio levels for the participant’s
   speech.
3. Instructions (modified from Fletcher Time-by-Count Test):
   a. Tell participant: “We are going to say some sounds very fast. Try to
      say them like this…”
   b. Demonstrate /papapa papapa papapa papapa/ (16
      syllables; groups of four, each group of four lasting 1 second, said
      precisely and rhythmically).
   c. Ask the participant to do what you just did; if necessary,
      demonstrate again and have the participant join in with you. Confirm
      that the participant understands the task and is giving best effort.
   d. Tell the participant that you need “a lot of” the utterances and that
      you’ll tell him or her when to “Go” and when to “Stop.”
   e. For each item, say “Go” and simultaneously start stop-watch.
      Signal the participant to keep going for five seconds, then say
      “Stop” and simultaneously turn off the stop-watch.
   f. Reset stop-watch; demonstrate next group of syllables; obtain
      performance always providing more demonstrations as needed for
      the participant to understand/remember stimuli.

C. Scoring (Scoring can be completed later from the recording.)

1. Record the number of syllables in the 5 second period.
2. Put a check in the appropriate columns when the sounds were
   accurate and the production was rhythmic.
## D. Stimuli

<table>
<thead>
<tr>
<th>Stimulus</th>
<th>Number of syllables in 5 seconds (16)</th>
<th>Sounds were accurate</th>
<th>Production was rhythmic</th>
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<td>k(\lambda)</td>
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